Sortal	CRF Errors Corrected by the STIC Systems Branch CRF poossing Date: 5 22 CI Number: 10/055, 85 Number: 10/055, 85
	Changed a file from non-ASCII to ASCII Verified by:(STIC staff)
	Changed the margins in cases where the sequence text was 'wrapped' down to the next line.
. 🗀	Edited a format error in the Current Application Data region specifically:
	Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other
	Added the mandatory heading and subheadings for "Current Application Data".
	Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
	Changed the spelling of a mandatory field (the headings or subheadings), specifically:
	Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
	Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
	Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
	Inserted colons after headings/subheadings. Headings edited included:
	Deleted extra, invalid, headings used by an applicant, specifically:
	Deleted: non-ASCII garbage at the beginning/end of files; secretary initials/filename at end of file; page numbers throughout text; other invalid text, such as
	Inserted mandatory headings, specifically:
	Corrected an obvious error in the response, specifically:
	Edited identifiers where upper case is used but lower case is required, or vice versa.
	Corrected an error in the Number of Sequences field, specifically:
	A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
	Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected:
	Other: Add Calciding to 10 15 milena arrelas



OIPE

RAW SEQUENCE LISTING

DATE: 05/22/2003

PATENT APPLICATION: US/10/085,418E

TIME: 14:24:43

Imput Set: N:\jumbos\10085418\PTOMS.txt
Output Set: N:\CRF4\05222003\J085418E.raw

SEQUENCE LISTING

```
3 (1) GENERAL INFORMATION:
             (1) APPLICANT: SENECA LIMITED ., . .
      Ε,
            (i) TITLE OF INVENTION: GENE SILENCING
      11
           (iii) NUMBER OF SEQUENCES: 3
            (iv) CORFELIEONDENCE ADDRESS:
                  (A) ALDRESSEE: IF DEPT., ZENECA AGROCHEMICALS
     - 14
                  (E) STEERT: JEALOTTS HILL RESEARCH STATION,
     10
                  (C) MITY: BRACKNELL,
                  (D) STATE: BERKSHIFE
     11
                  (E) COUNTRY: UNITED KINGDOM
     1...
                  (F) DIE: EG42 GET
     1:
     1.;
            - (v) COMEUTER READABLE FORM:
                  (A) MEDIUM TYPE: Ploppy disk
     1 :
     16
                  (B) COMPUTER: IBM PC compatible
     17
                  (C) OFEFATING SYSTEM: PC-DOS/MS-DOS
     1 :
                  (D) FOFTWARE: Patentin Release #1.0, Version #1.25
     1 •
           (vi) CURFENT APPLICATION DATA:
C--> 20
                  (A) APPLICATION NUMBER: US/10/085,418E
C--> 21
                  (B) FILING DATE: 28-Feb-2002
                  (C) CLASSIFICATION:
          (vill ATTORNEY AGENT INFORMATION:
                  (A) NAME: Hakefuda, Mary
            (ix TELECOMMUNICATION INFORMATION:
     26
                  (A) TELBERONE: 913-765-5071
     28 (2) INFORMATION FOR SEQ ID NO: 1:
     29
            -(i) SEQUENCE CHARACTERISTICS:
     30
                  (A) LENGTH: 3681 base pairs
                  SBS TYPE: Nable18 : 14
                  THE REPAIRS MEDICARDED
                  on Temperation in The en
                 MODERNIE TYPE: INA carbonie
                 HYPETHETICAL: NO
     2.57
            (IV, ANTI-SENSE: NO
     37
            (vi) ORIGINAL SOURCE:
                  (A] ORGANIUM: 1-AMINO CYCLOPROPANE-1-CARPONYLIC ACID
     38
     3.9
                                CXIPASE
     40
          (thi) IMMEDIATE JOURCE:
                  OBC COMMENTS
            SMED PROMINE OF CRITETION: OF, IT NOTE OF
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RAW SEQUENCE LISTING

FATENT AFFILICATION: US/10/085,418E TIME: 14:24:43

MATE: 05/22/2003

Tight Set : N:\jumbos\10085418\PTOMS.txt
Cutput Set: N:\CRF4\05222003\J085418E.raw

47 TTTAGGAAAA GGITTTGAAI TGACTATTCT TTTTTTGGTA GGAAAAAGTT TAGGACTCTA 240 48 TAAATAGAGG CATGTTCCTF CTAACTTAAT TAGCATTCAC AATGTAGTTT TAAGGGCFTT 500 49 GAGAGITTIG STIAGAGGGA GAATTIGIGA ACCICCATS TATICCGASI GAAITGGITS 360 5) ASSTTGTTTC CONORGIANT INGRADIONO ATSTITATAS INGGARIGOTO ATTICONING 420 51 TBBACBTABG FOBATTGADD BAACCACBIT AAATTTITGT BICTITTBBF ATATTICCTB 480 52 Trottottac footestort fosassiffs offredrasc itoososift abacotsoft 54: 55 ATTTTUGGTO CTAACAAGIG GTATCAGAGO CAGATTCAAT AATGGAGTCA GGTGTAGTGG 600 54 TTOGATAATO GATGATTGAA CCAAGTTAGA AAGAGGTGTT CAFCTTGAGG GGTGTAGTTO 66+ 46 TAGOCGCAAC CTTTTTGACA GTAATGAAGA TTTTGATGGA GAAATTGTT CAGAGAGGTT 72 (👀 CTUTSTSTFG AGADAFAAAT FIFJIAAAGS AGATTATGGA GAGGAGAAGC AAGTTGTFGA 7🤄 坑 AGATTAASTA AASAASSTGG ACAAATCTAT TTTSTCAGAA ATTCAGSCCA AGGSGGASAT ৪4 🛚 58 FIGTIGESTE FTATTIGGCS IGATITITIA COATAAATAG STITTIGGTIT ${\sf AAGGAAAAGG} \to 0$ 39 PPTPGAATTG ACTATTCTFF TTFTGGTAGG AAAAGGTTTA GGATTCTATA AATAGASSCA 🤫 🌣 60 TGTTCCTTCT AACTTAATIA GCATTCACAA TGTAGTTTTA AGGGCTTTGA GAGITTTGGI 10.0 TAGAGGGAGA ATTIGTGAAC CTCTCATGTA TICCGAGTGA AITGGTTGAG GTTGTTTCCC 1001 TOTSTATTI GIACTOPCAL GITTALAGIS GALLSCIDAT ILCCLITGIG GAOGIAGGIC 1140 65 SATTSACCSA ACCACSTIVA ATCITIGIST CITTISGIAT ATTICTCSIT GICTICITAC 1300 64 TOSTEGROTT TOGAGETTIS CITTECTAEC TICOGGGITT ACACCIGCIT ATTIECEETC 1161 65 CTAACAGAGT TOSATGGGTT GAATCTATAA AAAGAAAAAT ATACTOGTGA TTCACGATTA 1 🦠 🖟 66 TTTATATGAA AATATAATAA ATATEGAATE ECCTETGCTA ETTCTTATGE TTACSTOTTE 1960 67 ATATTTCAAA TTATTCCACC AATACTGACA AGCCCTAGGC CATCTCTAGG AAATTCATAC 1440 68 AATTTTTTT TTGTTGTTAA CTAGTTAAAT TGGCAGCCTT AAAGATTATT GTAAAATTCA 1500 6) AGGCAACTIC CICAAGIACI ACAACIACAI IGIAACAICO CAGICAAAGI GICCIAAAAI 11960 70 TTTATAAAAT TTGACACATG AAACAATAGC ACAATAAATT TTAGTACTAT TGCAGCCATG 71 GCCCATAAGC CATCATGTAT TATAGTCAAA ATGGGTCCTT TTCCAATTTG TCTTGATCCC 1680 70 AAAATOOCTT TGTAGGTAAG ATGGTTCAAC AAGGAACTAT GACTOTTAAG GTAGACTFGG 73 ACTCATAGAC TESTCATAAC TCATAAAGAC TEGGAATATA ATAATTATTC ATTTAAATTA 74 TAATTOTOTA OTTTAATATO TTOTACTATA AATACCOTTT CAAAGCOTGA TTATTIGTAC 1866 98 ATCAAACATT GATATTOATO TOTTCAATOT TTTGTATTCA CATATTCTAT TTATTCAATA 76 CACTTAGGAA AACACTTTAC CAAGAAATTA AGATGGAGAA CTTCCCAATT ATTAACTTGG 1980 77 AAAAGCTCAA TGSAGATGAG AGAGCCAACA CCATGGAAAT GATCAAAGAT GCTTGTGAGA. 1040 78 ATTGGGGCTT CTTTGAGGIA ATCATAAAFT ACATAAACAT ATTAATATGT TIGTIICAAF 2.00 79 TTATCAGTCA TACTTTTCTC TGTTTTAAAA TTAATGTCAC TTTCAATATT TAATAATTCG (1460 80 CATGACATGT TTATAACACA ACAAGATATA GGTTACATTT TGATACATTA TATATAACTT CTGTCACACG ACTCAAAAGT CTTTCTTAAT TTCTTGAATT CAATGATCGA TCAAACTAAG ARKO 82 ACACGTAAAA TGAAACGGGG AATAGTAATT CTGTTTGCTT ATGTGATCAT TGTAGTTGGT .:340 83 GAACCATGGA ATTCCACATG AAGTAATGGA CACAGTAGAG AAAATGACAA AGGGACATTA 2400 84 CAAGAAGTGC ATGGAATAGA GGTTTAAGGA ACTAGTGGCA ACTAAGGGAC TTGACGCTGT TOANSCIGAC CITACICATIC TAGATICOGA AACCACTITIC TICTIGCOC AICTECTIAC 🖂 TTCTAATATC TOTCAASTAO COGATOTTGA CGAAGAATAO AGGTACATAC ATGTGTOOTA 🛴 🕬 PARTATINAN ATATAANAA TAAANAA ATTAANTI TATAANAA ATTAATAAN DA \sim anthataato tegenciaaa toatocagag asgegatgas agatetegot aaaagatego . $^{\circ}$ $^{\circ}$ ABANATTESK TUNKKAUTIN ETTEACTTAC TOUETEAAAA TOTTEGACTI GAAAAAASOTT 2760 90 ACTTGAAAAA TGCCTTTTAT GGATCAAAAG GTCCCAACTT TGGTACTAAA GTTAGCAACT 91 ATCCACCATG TOCTAAGCCC GATTTGATCA AGGGACTCCG CGCTCATACA GACGCAGGAG 2380 92 GCATCATACT TCTGTTCCAA GATGACAAAG TGAGTGGCCT TCAACTCCTC AAAGACGAGC 2940 93 AATGRATOGA TOTTOGICOO ATGCGCCACT CTATTGTGGT TAACCTTGGT GACCAACIGG HOCK 94 AGGTAGAAGA TIBARIAAGI KIGITETETTI TIATMAGTAT AAGTTAGAAG TAGTAAGITAA KG 9) AAATGGTATT AATGAANTGT TATAAAAAAA GGTGATCAGT AAGGGGAAGT AGAAGAGT IN 🕕

LATE: 05/21/2003

RAW SEQUENCE LISTING

FATENT APPLICATION: US/10/085,418E TIME: 14:24:43

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Output Set: N:\CRF4\05222003\J085418E.raw

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96 GETGCACAGA CTAATTGCAC AAACAGACGG GACACGAATG TCATTAGCCT CATTTTACAA 3180
97 TCCAGGAAGT CATGCAGTAA TATATCCAGC AAAAACTTTG GTTGAAAAAG AGGCAGAGGA 3240
98 AAGTACACAA GTGIATCCAA AGTTTGTGTT TGATGATTAC ATGAAGTTAT ATGCTGGACT 3300
93 CAAGTTTCAA GCCAAAGAGC CAAGATTIGA AGCAATGAAG GCAATGGAAA GTGATCCAAT 3360
100 TGCAAGTGCT TAGATCCCAA TTCAATTAAA AAAATTGGTG TTTGAAAAAT ATATTTAAAT 3420
1 1 ATAGCAATCT APSTATACAC ATTATTIGCT CTTCTTATGT ATGGTAGAAT AAAGTTAGTA 3480
142 TTAAAAAAGA FESTGAFITG CIGCATATGI ATCAAAAAGA GICCIAATAT TIGTATCIAI 3540
193 AAATAAGSTG COITCTAUTG AAATTATACA AATAATAATT TGGAGTGTAT TGTTCTTTCT 3600
194 CATGTAATTT AASTTTTAAS TATCTTACTT TACAATATAC TGTTCACTTA TTGAACATAT 3660
195 TGAGTGATAT ATTGACTCAA T 3681
106 (2) INFORMATION FOR SECTION NO: 2:
1.47
        - i) SEQUENCE CHARACTERISTICS:
1.08
              (A) LENGIH: 12 base pairs
1
              (B) TYPE: nucleic acid
1:0
              (C) STRANDEDMESS: single
111
             (D) TOPOLOGY: linear
112 (11) MOLECULE TYPE: cDNA
114 (vii) IMMEDIATE SOUFCE:
             (B) CLONE: cligs dT-primed cDNA - page 13
115
117
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
118 CATTCATCTC TTCAATCTTT TG 22
119 (2) INFORMATION FOR SEQ ID NO: 3:
1.00
       (i) SEQUENCE CRAFACTERISTICS:
1. l
              (A) LENGTH: 16 base pairs
1. :
              (B) TYPE: nucleic acid
1. .
              (C) STRANDEDNESS: single
1 .:
             (D) TOPOLOGY: linear
      (ii) MOLECULE TYPE: dDNA
1. .
   (vii) IMMEDIATE SOUFCE:
127
128
             (B) CLONE: olige dT-primed cDNA (SEQ3) page 13
1:0 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
131 CTTAATTTCT TGGTAAAGTG TTTTCC 26
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VERIFICATION SUMMARY

FATENT APPLICATION: US/10/085,418E

DATE: 08/42.72073 TIME: 14:24:44

Input det : N:\jumbos\10085418\PTOMS.txt Output Set: N:\CRF4\05222003\J085418E.raw

L:20 M:320 C: Keyword misspelled or invalid format, [(A) AFFLICATION NUMBER:]
L:21 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]